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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/635,721	
	Filing Date	August 5, 2003	
	First Named Inventor	Thomas M. BAER	
	Art Unit	2877	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	14	Attorney Docket Number	ARC012000107

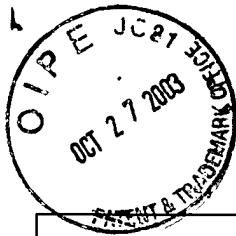
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Rimas T. Lukas (Reg. No. 46,451)
Signature	
Date	October 23, 2003

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

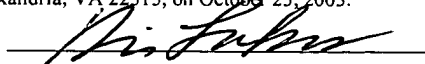
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PATENT  
Docket No. ARC012000107

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Rimas T. Lukas

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Thomas M. BAER et al.

Serial No.: 10/635,721

Filing Date: August 5, 2003

For: LASER CAPTURE  
MICRODISSECTION TRANSLATION  
STAGE JOYSTICK

Examiner: Not yet assigned

Group Art Unit: 2877

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Examiner:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. The Examiner is requested to make these documents of record.

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related parent application Serial Number 09/121,677, filed on July 23, 1998 (which will issue as U.S. Patent No. 6,639,657 on October 28, 2003) which is a continuation application of application Serial Number 09/018,452, filed on February 4, 1998, now U.S. Patent No. 6,469,779, and, accordingly, copies are not included herewith. This protocol conforms to 37 C.F.R. §1.98(d) and M.P.E.P. 609(I)(A)(2). The Examiner is requested to make these documents of record in the application.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \$180.00 is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of \* is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

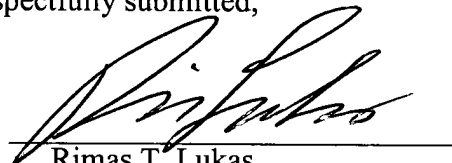
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief are required, applicant petitions for any required relief including extensions of time.

Dated: October 23, 2003

Respectfully submitted,

By:



Rimas T. Lukas  
Registration No. 46,451

Lukas IP Group  
P.O. Box 3295  
Half Moon Bay, CA 941019  
Telephone: (650) 560-0076  
Facsimile: (650) 897-9944

Form PTO-1449

Docket Number ARC012000107

Application Number 10/635,721

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Thomas M. BAER et al.

Filing Date August 5, 2003

Group Art Unit 2877

Mailing Date October 23, 2003


## U.S. PATENT DOCUMENTS

Examiner Initials	Ref No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	08/01/1972	3,680,947	Wanesky	350	81	04/21/1970
	2.	12/12/1972	3,705,769	Johannsmeier	355	91	11/12/1970
	3.	11/19/1974	3,848,962	Nelson	350	86	10/18/1973
	4.	07/01/1980	4,210,384	Meyer et al.	350	19	05/17/1979
	5.	12/01/1981	4,303,866	Porro et al.	250	442	05/29/1980
	6.	06/08/1982	4,333,983	Allen	428	336	04/25/1980
	7.	03/13/1984	4,436,385	Fischer et al.	350	529	07/24/1981
	8.	04/02/1985	4,508,435	Graham et al.	350	529	06/18/1982
	9.	04/09/1985	4,509,834	Hodgson	350	521	03/24/1982
	10.	09/03/1985	4,538,885	Graham et al.	350	529	06/18/1982
	11.	11/12/1985	4,552,033	Marzhauser	74	479	04/12/1984
	12.	07/15/1986	4,600,282	Yamamura et al.	353	122	11/05/1984
	13.	09/30/1986	4,614,431	Komeyama	356	401	02/16/1984
	14.	11/18/1986	4,623,839	Garretson et al.	324	158	09/15/1983
	15.	12/02/1986	4,627,009	Holmes et al.	364	559	05/24/1983
	16.	06/16/1987	4,673,261	Hunt et al.	350	531	05/16/1985
	17.	08/04/1987	4,684,781	Frish et al.	219	121	01/29/1985
	18.	10/27/1987	4,702,565	Schilling et al.	350	531	02/26/1986
	19.	03/15/1988	4,731,530	Mikan	250	229	04/21/1986
	20.	02/28/1989	4,807,984	Kurimura et al.	350	529	02/12/1987
	21.	04/25/1989	4,824,229	Narita et al.	350	531	04/09/1986
	22.	06/06/1989	4,836,667	Ozeki	350	531	05/04/1987
	23.	08/01/1989	4,852,985	Fujihara et al.	350	523	10/16/1987
	24.	08/15/1989	4,856,873	Kleinberg	350	502	05/15/1987
	25.	10/03/1989	4,871,245	Ishikawa et al.	350	502	10/26/1987
	26.	04/24/1990	4,920,053	Inoue et al.	435	240.1	04/28/1988

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number ARC012000107	Application Number 10/635,721
	Applicant Thomas M. BAER et al.	
	Filing Date August 5, 2003	Group Art Unit 2877
	Mailing Date October 23, 2003	

	27.	05/08/1990	4,923,294	Courtenay	350	529	10/20/1988
	28.	10/23/1990	4,964,708	Mason	350	519	07/14/1989
	29.	01/22/1991	4,987,006	Williams et al.	427	53.1	03/26/1990
	30.	02/12/1991	4,992,660	Kobayashi	250	306	06/25/1990
	31.	05/21/1991	5,017,428	Mecke et al.	428	336	06/13/1989
	32.	09/01/1992	5,143,552	Moriyama	118	666	06/10/1991
	33.	07/09/1991	5,029,791	Ceccon et al.	428	287	03/08/1990
	34.	10/15/1991	5,057,689	Nomura et al.	250	310	09/17/1990
	35.	12/31/1991	5,077,620	Mauro	359	393	06/06/1990
	36.	02/18/1992	5,089,909	Kleinberg	359	363	09/27/1990
	37.	04/07/1992	5,103,338	Crowley et al.	359	394	10/04/1990
	38.	06/30/1992	5,126,877	Biber	359	389	09/04/1991
	39.	11/10/1992	5,162,941	Favro et al.	359	386	07/23/1991
	40.	11/24/1992	5,165,297	Krueger	74	479	02/15/1991
	41.	12/22/1992	5,173,802	Heller	359	384	09/16/1991
	42.	12/22/1992	5,173,803	Heller	359	384	09/16/1992
	43.	10/12/1993	5,253,110	Ichihara et al.	359	619	11/24/1992
	44.	11/16/1993	5,262,891	Nakasato	359	385	04/24/1992
	45.	11/23/1993	5,263,384	Suzuki	74	479	02/18/1992
	46.	01/18/1992	5,280,384	Shibasaki	359	396	09/18/1992
	47.	02/22/1994	5,288,996	Betzig et al.	250	227.26	01/06/1993
	48.	03/22/1994	5,296,963	Murakami et al.	359	389	02/27/1992
	49.	03/29/1994	5,298,963	Moriya et al.	356	31	02/26/1992
	50.	05/17/1994	5,312,393	Mastel	606	4	12/31/1992
	51.	06/21/1994	5,323,009	Harris	250	458.1	04/05/1991
	52.	08/09/1994	5,337,178	Kung et al.	359	393	12/23/1992
	53.	09/06/1994	5,345,333	Greenberg	359	389	04/19/1991
	54.	10/18/1994	5,357,366	Marchlenski	359	393	08/30/1993
	55.	10/25/1994	5,359,417	Muller et al.	356	375	10/15/1992
	56.	11/22/1994	5,367,401	Saulietis	359	398	11/23/1990
	57.	01/03/1995	5,378,675	Takeyama et al.	503	227	11/30/1992

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Applicant

Thomas M. BAER et al.

Filing Date August 5, 2003

Group Art Unit 2877

Mailing Date October 23, 2003

58.	01/31/1995	5,386,112	Dixon	250	234	12/23/1992
59.	02/28/1995	5,393,647	Neukernans et al.	430	320	07/16/1993
60.	04/04/1995	5,403,970	Aoki	84	626	11/19/1990
61.	05/02/1995	5,412,503	Nederlof	359	393	08/23/1993
62.	05/30/1995	5,420,716	Fukaya	359	368	06/29/1992
63.	07/18/1995	5,434,703	Morizumi	359	385	11/02/1993
64.	09/12/1995	5,450,233	Yamamoto et al.	359	368	04/27/1993
65.	10/03/1995	5,455,420	Ho et al.	250	306	07/12/1994
66.	11/21/1995	5,468,967	Chan et al.	250	397	08/26/1994
67.	11/28/1995	5,471,260	Luce et al.	351	205	10/28/1994
68.	12/26/1995	5,479,252	Worster et al.	356	237	06/17/1993
69.	02/20/1996	5,492,861	Opower	437	173	08/26/1993
70.	04/02/1996	5,504,366	Weiss et al.	73	863	09/13/1993
71.	04/09/1996	5,506,725	Koike et al.	359	388	12/28/1994
72.	04/23/1996	5,510,615	Ho et al.	250	306	06/07/1995
73.	05/14/1996	5,517,353	Ikoh et al.	359	388	05/24/1994
74.	07/02/1996	5,532,128	Eggers et al.	435	16	12/12/1994
75.	07/02/1996	5,532,476	Mikan	250	221	12/21/1994
76.	07/02/1996	5,532,873	Dixon	359	388	09/08/1993
77.	07/09/1996	5,535,052	Jorgens	359	388	07/14/1993
78.	07/16/1996	5,536,941	Swann	250	311	02/22/1995
79.	07/23/1996	5,537,863	Fujiu et al.	73	105	07/15/1994
80.	09/03/1996	5,552,928	Furuhashi et al.	359	379	12/16/1993
81.	09/17/1996	5,556,790	Pettit	436	172	12/05/1994
82.	09/17/1996	5,557,456	Garner et al.	359	393	03/04/1994
83.	09/24/1996	5,558,329	Liu	273	148	03/01/1995
84.	09/24/1996	5,559,329	Joseph et al.	250	306	08/31/1994
85.	11/26/1996	5,578,832	Trulson et al.	250	458.1	09/02/1994
86.	12/24/1996	5,587,748	Luce et al.	351	208	10/28/1994
87.	12/24/1996	5,587,833	Kamentsky	359	393	07/09/1993
88.	02/04/1997	5,598,888	Sullivan et al.	165	263	09/23/1994

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Thomas M. BAER et al.

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Group Art Unit 2877

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89.	02/11/1997	5,602,674	Weissman et al.	359	393	06/16/1995
90.	04/08/1997	5,619,035	Weiss et al.	250	306	12/22/1995
91.	04/15/1997	5,621,207	O'Mara	250	221	08/29/1994
92.	05/20/1997	5,631,734	Stern et al.	356	317	02/10/1994
93.	06/10/1997	5,638,206	Sumiya et al.	359	368	09/29/1994
94.	08/19/1997	5,659,421	Rahmel et al.	359	391	07/05/1995
95.	06/24/1997	5,641,896	Karrai	73	105	02/27/1995

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Examiner Initials	Ref No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	96.	08/29/1975	566 015	CH				
	97.	05/30/1991	WO 91/07683	PCT				
	98.	09/08/1995	WO 95/23960	PCT				
	99.	11/16/1995	WO 95/30919	PCT				
	100.	04/17/1997	WO 97/13838	PCT				
	101.	08/14/1997	DE 196 03 996A1	DE				No
	102.	08/13/1998	WO 98/35216	PCT				

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref No.	Title
	103.	Anonymous. Printout from Ebay website providing photographs of a microscope, available at <a href="http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&amp;item=1033857903">http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&amp;item=1033857903</a> on January 15, 2002 (5 pages total).
	104.	Ashkin, A. & Dziedzic J.M. (1989) "Internal Cell Manipulation Using Infrared Laser Traps" Pro.Nat. Acad. Sc. 86:20:7914-7918.
	105.	Bonner, R.F., et al. (1997) "Laser Capture Microdissection: Molecular Analysis of Tissue", Amer. Assoc. Advanc. of Sci., 278:1481-1843.
	106.	Emmert-Buck, Michael R. et al., (1996) "Laser Capture Microdissection", Science, 274:998-1001.
	107.	Friend, T. (August 5, 1997) "Microdissection Breakthrough Lets Scientists Isolate Those Involved In

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Applicant

Thomas M. BAER et al.

Filing Date August 5, 2003

Group Art Unit 2877

Mailing Date October 23, 2003

Tumor Growth" *USA Today* 4D.

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|------|---|
| 108. | Fukui, K., et al., (I 992) "Microdissection of Plant Chromosomes by Argon-ion Laser Beam" <i>Theoretical and Applied Genetics</i> , 84:1:2:787-791.   |
| 109. | Geduspan, Jane S., & Solursh, Michael (1992) "A Growth-Promoting Influence from the Mesonephros During Limb Outgrowth," <i>Developmental Biology</i> , 151:242-250.   |
| 110. | Goldstein et al., (1998) "Thermal modeling of Laser Capture Microdissection," <i>Applied Optics</i> , Vol. 37, No. 31, pp. 7378-7391.   |
| 111. | Isenberg et al., (1976) "Cell surgery by laser micro-dissection: a preparative method." <i>Journal of Microscopy</i> , Vol. 107, pt I pp. 19-24.  |
| 112. | Jimenez, C. R., et al., (1994) "Neuropeptide Expression and Processing as Revealed by Direct Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Single Neurons", <i>Journal of Neurochemistry</i> , 62:404-707.                                 |
| 113. | Kubo, Y., et al., (1995) "Early Detection of Knudson's Two-hits in Preneoplastic Renal Cells of the Eker Rat Model by the Laser Microdissection Procedure," <i>Cancer Res.</i> 55:975-1197.   |
| 114. | Kuska, Bob (1996). "New aim-and-shoot technique speeds up cell analysis," <i>J Natl. Cancer Inst.</i> 88(23):1708-1709.   |
| 115. | Lewis, (1998) "Laser Aids Alzheimer's Study," <i>Biophotonics International</i> , November/December 1998  |
| 116. | Meier-Ruge, W. et al., (1976) "The laser in the Lowry Technique for Microdissection of Freeze-dried Tissue Slices", <i>Histochemical J.</i> , pp. 8:387-401.  |
| 117. | Simone, N.L. et al. (1998). "Laser-Capture Microdissection: Opening the Microscopic Frontier to Molecular Analysis," <i>Trends In Genetics</i> 14(7): 272-276.  |
| 118. | Schutze, Karin & Lahr, Georgia (August, 1998) "Identification of Expressed Genes by Laser-Mediated Manipulation of Single Cells", <i>Nature Biotechnology</i> , 16:737-742.   |
| 119. | Schindler, M., et al., (July, 1985) "Automated Analysis and Survival Selection of Anchorage-Dependent Cells Under Normal Growth Conditions", <i>Cytometry</i> 6:368-374.  |
| 120. | Schindler, M. (August, 1998) "Select, Microdissect, and Eject", <i>Nature Biotechnology</i> 16:719-720.   |
| 121. | Veigel, C., et al. (1993) "New Cell Biological Applications of the Laser Microbeam Technique: the Microdissection and Skinning of Muscle Fibers and the Perforation and Fusion of Sarcolemma Vesicles", <i>European Journal of Cell Biology</i> 63:1:140-148. |

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